

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	("6706049") or ("5569286") or ("5318584") or ("4635633") or ("4484910") or ("5709699") or ("5383885") or ("6197040") or ("5324303") or ("5843036")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 18:16
S1	2448	((600/573,576,583) or (606/181-182)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/14 10:22
S2	2086	S1 and @ad<"20040326"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 11:58
S3	3	S2 and (expression near cap)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:01
S4	618	S2 and lancet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:02
S5	24	("2117469"   "2627269"   "2642065"   "2851036"   "3221739"   "3358689"   "3680559"   "4243035"   "4375815").PN. OR ("4635633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:15
S6	50	("3358689"   "4139011"   "4203446"   "4356822"   "4449529"   "4469110"   "4503856"   "4517978"   "4527561"   "4635633"   "4677979"   "4738261"   "4759363"   "4817603"   "4889117"   "4895147"   "4976724"   "4990154"   "5074872"   "5100427"   "5207699").PN. OR ("5324303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:18

## EAST Search History

S7	22	("3855745"   "4377945"   "4644617"   "4653513"   "5161317"   "5324303"   "5383885"   "5395387"   "5403132"   "5571132"   "5613978"   "5660791"   "5831217"   "5879311"   "6022366"   "6056701"   "6197040"   "6277083"   "6451040"   "6508822"   "6537242").PN. OR ("6752817").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:20
S8	8	("3741197"   "4388925"   "5014718"   "5201324").PN. OR ("5383885").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:31
S9	71	("3068855"   "3672368"   "3828775"   "4151832"   "4436098"   "4637403"   "4643200"   "4660570"   "4675159"   "4844098").PN. OR ("5014718").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:32
S10	26	("20020130042"   "20020198444"   "5324303"   "5402798"   "5423847"   "5547702"   "5569286"   "5580794"   "5628764"   "5709699"   "5730753"   "5797942"   "5837546"   "5872713"   "5879367"   "5916230"   "6053930"   "6056765"   "6071249"   "6093156"   "6132449"   "6197040"   "6203504"   "6210420"   "6283982"   "6491709").PN. OR ("6706049").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:45
S11	14	("4580564"   "5324303"   "5385571"   "5454828").PN. OR ("5569286").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:51
S12	18	("4595021"   "4653513"   "4677979"   "4978342"   "5163442"   "5569223"   "5570700"   "5636640"   "5700695"   "5792052"   "5913833"   "6004278"   "6099484"   "6315738").PN. OR ("6503210").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:11
S13	18	("2646799"   "3626929"   "5026388"   "5318584"   "5324302"   "5582184"   "5624458"   "5682233"   "5709699"   "5746217"   "5820570"   "5857983"   "5951493"   "6080116"   "6152889"   "6306104").PN. OR ("6589260").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:13

## EAST Search History

S14	16	("4869249"   "5026388"   "5054499"   "5201324"   "5231993"   "5318581"   "5402798").PN. OR ("5624458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:14
S15	9	("2646799").URPN.	USPAT	OR	ON	2006/04/12 13:17
S16	16	("20010011157"   "20020169470"   "4895147"   "5318584"   "5439005"   "5730753"   "5879311"   "5951492"   "5951493"   "5964718"   "6022366"   "6048352"   "6071250"   "6319210"   "6464649"   "RE32922").PN. OR ("6645219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:19
S17	2448	((600/573,576,583) or (606/181-182)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 14:50
S18	2086	S17 and @ad<"20040326"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 14:50
S19	618	S18 and lancet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 14:50
S20	2086	S17 and @ad<"20040326"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 14:52
S21	1468	S20 not S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 14:52
S22	19	("2818852"   "3128768"   "3225760"   "3528425").PN. OR ("3815605").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:07

## EAST Search History

S23	24	("2117469"   "2627269"   "2642065"   "2851036"   "3221739"   "3358689"   "3680559"   "4243035"   "4375815").PN. OR ("4635633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:14
S24	22	("20030109895"   "2935067"   "3358689"   "3989045"   "4545376"   "4635633"   "4994068"   "5304192"   "5314442"   "5324302"   "5366469"   "5385571"   "5454828"   "5487748"   "5893864"   "5913868"   "6589261"   "D362719"   "D411619").PN. OR ("D484244").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:14
S25	39	("0055775"   "3358689"   "4889117"   "5250063"   "5312354"   "5318584").PN. OR ("5454828").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:16
S26	22	("3855745"   "4377945"   "4644617"   "4653513"   "5161317"   "5324303"   "5383885"   "5395387"   "5403132"   "5571132"   "5613978"   "5660791"   "5831217"   "5879311"   "6022366"   "6056701"   "6197040"   "6277083"   "6451040"   "6508822"   "6537242").PN. OR ("6752817").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:46
S27	618	william near O'Brien	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:47
S28	0	william near O'Brien near Jr	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:46
S29	1	S27 and ultrasound	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:49
S30	12	S27 and acoustic	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:51
S31	101	matthew near o'donnell	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:51
S32	18	("4595021"   "4653513"   "4677979"   "4978342"   "5163442"   "5569223"   "5570700"   "5636640"   "5700695"   "5792052"   "5913833"   "6004278"   "6099484"   "6315738").PN. OR ("6503210").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:19

## EAST Search History

S33	0	"2002082521"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:20
S34	0	"2002/082521"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:20
S35	1	"20020082521"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:21
S36	0	"200300195540"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:21
S37	1	"20030195540"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:23
S38	12	((("4539988") or ("5014718") or ("6053930") or ("6322575") or ("6491709") or ("6589260"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 17:26
S39	2	"20050087180"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 17:27
S40	2	"20020087180"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 17:28
S41	2	"20050234488"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 17:30
S42	37	((("6332871") or ("1579679") or ("2067991") or ("3623475") or ("3626929") or ("5159922") or ("5447491") or ("5843006") or ("5951493") or ("5964718") or ("6086545"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 17:53

## EAST Search History

S43	2	"20020103499"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 17:53
S44	2	("5190042").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 12:12
S45	5	("2646799").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 14:56
S46	438	(606/181).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 15:23
S47	16	("4869249"   "5026388"   "5054499"   "5201324"   "5231993"   "5318581"   "5402798").PN. OR ("5624458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 16:16
S48	87	("3623475"   "4375815"   "4416279"   "4527561"   "4580564"   "4637403"   "4653513"   "4715374"   "4787398"   "4794926"   "4817603").PN. OR ("5026388"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 16:18

## EAST Search History

S49	91	("1921034"   "2699784"   "2704072"   "2804074"   "2832339"   "3030959"   "3208452"   "3543603"   "3584626"   "3612051"   "3643649"   "3892237"   "4139011"   "4164224"   "4203446"   "4226235"   "4316463"   "4329988"   "4375815"   "4378015"   "4388925"   "4416279"   "4449529"   "4452243"   "4469110"   "4484910"   "4503856"   "4512767"   "4517978"   "4577630"   "4580565"   "4616649"   "4637403"   "4653513"   "4665912"   "4723937"   "4747414"   "4817603"   "4850973"   "4858607"   "4869249"   "4892097"   "4895147"   "4902279"   "4924879"   "4976724"   "5026349"   "5026388"   "5100427"   "5104380"   "5114404"   "5133730"   "5141496"   "5152775"   "5196025"   "5209755"   "5211652"   "5267963"   "5269799"   "5273519"   "5282822"   "5300030"   "5314442"   "5318584"   "5320609"   "5324303"   "Re32922").PN. OR ("5540709").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 16:24
S50	31	("2832339"   "3320955"   "3712301"   "3797489"   "3882863"   "4031893"   "4226235"   "4316463"   "4329988"   "4394863").PN. OR ("4484910").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 16:32
S51	336	(600/182).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 17:58
S52	326	(606/182).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/13 17:58
S53	5	("5350392"   "5368047"   "5666966"   "5916230"   "6086545").PN. OR ("6730046").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:02

## EAST Search History

S54	91	("1921034"   "2699784"   "2704072"   "2804074"   "2832339"   "3030959"   "3208452"   "3543603"   "3584626"   "3612051"   "3643649"   "3892237"   "4139011"   "4164224"   "4203446"   "4226235"   "4316463"   "4329988"   "4375815"   "4378015"   "4388925"   "4416279"   "4449529"   "4452243"   "4469110"   "4484910"   "4503856"   "4512767"   "4517978"   "4577630"   "4580565"   "4616649"   "4637403"   "4653513"   "4665912"   "4723937"   "4747414"   "4817603"   "4850973"   "4858607"   "4869249"   "4892097"   "4895147"   "4902279"   "4924879"   "4976724"   "5026349"   "5026388"   "5100427"   "5104380"   "5114404"   "5133730"   "5141496"   "5152775"   "5196025"   "5209755"   "5211652"   "5267963"   "5269799"   "5273519"   "5282822"   "5300030"   "5314442"   "5318584"   "5320609"   "5324303"   "Re32922").PN. OR ("5540709").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:22
S55	24454	lancet	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:23
S56	0	S55 and (deflect\$3 with lobe deflect\$3 with nub)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:23
S57	1058	S55 and (lobe nub)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:32
S58	262	S57 and (compress\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:24
S59	488	S55 and (protrusion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:32
S60	5161	S55 and (compress\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:33
S61	244	S59 and (compress\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:33



## EAST Search History

S62	76	("0055620"   "0059306"   "3030959"   "3656472"   "3741197"   "4203446"   "4360016"   "4388925"   "4416279"   "4449529"   "4462405"   "4469110"   "4503856"   "4627445"   "4637403"   "4653513").PN. OR ("4895147"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:49
S63	376	S55 and boss	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 18:49
S64	59	("4360016"   "4503856"   "4517978"   "4622974"   "4627445"   "4637403"   "4648408"   "4653511"   "4653513"   "4658821"   "4685463"   "4787398"   "4790979"   "4805623"   "4850973"   "4858607"   "4873993"   "4883068"   "4920977"   "4924879"   "4953552"   "4976724"   "4994068"   "5002054"   "5014718"   "5029583"   "5054499"   "5066859"   "5070886"   "5163442"   "5165418"   "5201324"   "5217480"   "5231993"   "5277198"   "5318584"   "5320607"   "5368047"   "5395387"   "5402798"   "5569212"   "5582184"   "5611809"   "5628309"   "5628764"   "D254444").PN. OR ("6048352"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 19:08
S65	17	S55 and (bias\$ with member with protrusion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 19:12
S66	20	S55 and (deflection with member)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 19:12
S67	74	("0002061"   "0004450"   "0055620"   "0245040"   "0677756"   "1135465"   "2694398"   "2864370"   "3358689"   "3659608"   "3741197"   "3760809"   "3903887"   "4078552"   "4139011"   "4203446"   "4230118"   "4358539"   "4375815"   "4379456"   "4388925"   "4414975"   "4449529"   "4452243"   "4455510"   "4469110"   "4628929"   "4735203"   "4892097"   "4924879"   "5035704").PN. OR ("5196025"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 19:14

## EAST Search History

S68	56	("3262448"   "3262449"   "3344786"   "3438373"   "3463152"   "3491756"   "3809081"   "3923066"   "4157086"   "4233975"   "4274408"   "4417886"   "4509945"   "4525157"   "4529399"   "4539988"   "4627445"   "4637403"   "4643189"   "4652256"   "4735203"   "4772264"   "4828547"   "4832693"   "4832696"   "4892097"   "4995402"   "5009642"   "5047044"   "5133730"   "5196025"   "5314441"   "5318583"   "5356420"   "5395388"   "5439473"   "5476474"   "5514152"   "5527334"   "5569286"   "5571132"   "5584846"   "5645555"   "5755733"   "5823997").PN. OR ("6358265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 19:16
S69	2	"20050052615"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:22